

Halania Dixon

AI Creative Technologist • AI Filmmaker • Founder

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9.1M+ organic likes • 120K+ followers • 60M+ views on a single video • \$0 ad spend • national-brand spec campaigns • 15 AI agents running in production • 5 shipped products calling LLMs • \$500K secured

SUMMARY

Atlanta-based creative technologist who directs the creative and ships the software behind it. I make AI-generated commercials and brand films, including spec campaigns for national brands, and I turn generative AI capability into working deployed products — six applications shipped solo, five of which call language models in production, including a 15-agent orchestration system and a vision model reading charts behind a guardrail chain. I evaluate models rather than assume them: side-by-side comparison on controlled prompts, scored on lighting, skin texture, depth of color, and realism, and a golden-set eval harness running in continuous integration. I develop with Claude Code in an agent-assisted workflow, which is how six applications shipped solo in a single build period.

SKILLS

Generative AI and film — Midjourney, Runway, Kling, Google Veo, Higgsfield, Pika, Luma, Stable Diffusion, Flux, ComfyUI, Seedance/Seedream, Nano Banana Pro, PuLID, LoRA training (fal.ai), multimodal and image-to-video pipelines

Model evaluation — side-by-side model comparison on controlled prompts, scoring rubrics for lighting, skin texture, depth of color, and realism; golden-set eval harness in CI; structured output validation; stress-testing and failure-mode discovery

AI engineering — Anthropic Claude API, OpenAI API, function calling and tool use, structured outputs with schema enforcement, versioned prompt engineering, multi-agent orchestration, event-driven agent architecture, human-in-the-loop approval design, embeddings (OpenAI and Voyage), semantic search, vector similarity with pgvector, token-cost optimization, rate limiting, Claude Code (committed CLAUDE.md project instructions, agent-driven feature branches, pull-request review)

Audio and voice AI — ElevenLabs, Suno, OpenAI text-to-speech, Web Speech API, Web Audio API

Post and creative — DaVinci Resolve, Final Cut Pro, Premiere, After Effects, Photoshop, Lightroom, Unreal Engine, motion graphics, VFX and compositing, color grading, sound design

Development — TypeScript, JavaScript, Python, React 19, Next.js 16, React Native, Node.js, Three.js and React Three Fiber, custom GLSL fragment shaders, Vite, Tailwind CSS, PostgreSQL, Supabase, Stripe, Vercel, REST APIs, Git and GitHub Actions, WCAG 2.2 AA accessibility

Product and growth — full-stack product development, UI/UX design, content strategy, organic audience growth, technical writing and stakeholder translation

EXPERIENCE

Halania R. Dixon — AI Creative Technologist • Founder & Operator • Atlanta, GA • 2016 – Present

Independent studio for AI-directed film, AI product engineering, and immersive web. Engagements below listed most recent first.

Brand & film clients **AI Creative Director**

AI-directed commercials, brand films, and campaign work for brand and music clients.

- Direct AI-generated commercials and brand films end to end, including spec campaigns for national brands (Coca-Cola, OLLY, Starbucks — all spec) and Texas Pete: concept, prompt engineering, model selection and evaluation, multi-tool generation across Midjourney, Runway, Kling, Veo, and ComfyUI, LoRA fine-tuning via fal.ai, editing, and sound design. Commissioned AI tour visuals for Lloyd.
- Ran a controlled model comparison for a clone-character project, scoring ChatGPT, Nano Banana, Seedream, and Flux on the same prompt against lighting, skin texture, depth of color, and realism, then carried the winning still into image-to-video.
- Grew an organic audience to 120K+ followers, 9.1M+ likes, and 60M+ views on a single video with \$0 ad spend.

STAXX **Creator & Sole Developer**

A job-search platform that sources postings, matches them semantically against a resume, drafts outreach, and holds every message for human approval before it sends.

- Built 15 AI agents running in production on a TypeScript-typed event bus of 13 event types, so agents chain by emitted events rather than direct calls and any stage re-runs independently.
- Made human approval an architectural invariant rather than a UI convention: a single outbound send call gated on approved status, so no generated message can reach a recipient without a person releasing it.
- Built semantic matching with dual embedding providers at 1,536 dimensions behind a pgvector IVFFlat cosine index with a hand-written cosine scorer, and shipped a golden-set eval harness that runs on its own CI workflow alongside axe-core accessibility gating.

TradeSprout **Sole Developer** 115 commits

A trading journal and market-education app that reads chart screenshots with a vision model and explains them in plain language.

- Built vision-model chart reading with Zod-enforced structured output, then a guardrail chain that sanitizes, checks banned phrases, validates level ranges, and bands confidence — declining low-confidence output rather than displaying it.
- Cut model spend with 24-hour response deduplication that replays a stored read at zero cost, and versioned every prompt module so changes are traceable.

Attune **Sole Developer**

A real-time voice application for conversation practice that tracks emotional state and goal progress turn by turn.

- Designed a Claude tool-use contract returning each conversational turn as structured data — 8 state values, the reason each changed, behavior flags, and goal progress — removing free-text parsing from the response path.
- Built a two-model architecture, Claude for language and OpenAI for voice, with graceful degradation to browser speech synthesis when the provider key is absent, and a real-time voice loop on the Web Speech API with pause detection and microphone gating during playback.

AI Makers Generation **Forward Deployed Engineer** 111 commits · collaborative repository · aimakersgeneration.com

The membership, payments, and course platform for an Atlanta AI education community running weekly meetups, workshops, and cohorts.

- Built the education platform with an AI assistant that performs authenticated database writes through per-tool authorization checks, and found and fixed the confused-deputy vulnerability that came from getting that wrong the first time — moving identity to server-verified JWTs and scoping edits to author ownership.
- Deliver hands-on AI deployment through the free weekly Atlanta AI meetup, twice-monthly workshops, and an 8-week cohort, teaching working practitioners to apply generative tools to their own problems.

The Meridian **Creative Developer** reator-scroll.vercel.app

A luxury home-builder marketing site built as a scroll-driven cinematic experience.

- Wrote a custom GLSL fragment shader implementing Ashima simplex noise from scratch, 86 lines, driven by time, scroll, and reveal uniforms through a react-three-fiber shaderMaterial rather than a library preset.
- Built “Step Inside”: a GSAP crash-zoom through a home’s cover image that cross-fades into a draggable 360-degree interior panorama mapped onto the inside of a Three.js sphere.
- Built on Vite 8, React 19, TypeScript 6, and React Router across 4 routes, with Three.js, drei, postprocessing, GSAP, Lenis, and vite-plugin-gls.

AURA **Creative Developer** aura-apparel-shop.vercel.app

A streetwear storefront with a full browse-to-checkout flow and a 3D product gallery.

- Built 33 components across 6 pages in Next.js 16, React 19, and Tailwind v4, with an Object Mode 3D product gallery in Three.js and react-three-fiber over a catalog of roughly 42 products.
- Managed cart and saved-item state with React Context and useReducer persisted to local storage, shipped an error boundary, and closed the build with an axe accessibility pass.
- Wrote a 163-line Python asset pipeline that removes product backgrounds with rembg, trims to bounding box, converts to WebP, and emits the JSON manifest the storefront reads.

HalaniaDixon.com — Inside Her Head **Creative Developer** halaniadixon.com

My personal site and portfolio, built as a scroll-driven WebGL experience.

- Built a scroll-driven WebGL portfolio with Three.js and React Three Fiber, scrubbing an intro video by scroll position and cross-fading on its own final black frame into a live 3D scene so the transition reads as one continuous shot, with a runtime capability gate for low-end devices.

Destination College Park **Commissioned** destinationcollegepark.com

A 501(c)(6) destination-marketing nonprofit for College Park, Georgia.

- Wrote the funding prospectus that helped secure \$500,000 for the 501(c)(6) destination-marketing nonprofit, built the organization’s website, and automated the RFP proposal deliverable with 15 composable Python scripts so the final document was reproducible.

OYRB (Own Your Brand) **Founder & Sole Developer** oyrb.space

A booking and storefront platform for independent beauty professionals.

- Booking-and-payments platform for beauty professionals, built on Next.js, React, TypeScript, and Supabase, with a template system that generates storefronts from a small set of layout components and themes.

Glambox Room — Website **Designer & Developer**

The website for the salon I owned and operated.

- Designed, built, and maintained the salon’s website on Wix, writing custom HTML and CSS beyond the platform defaults. Ran it for four years. First site built end to end, and the start of my development practice.

Glambox Room Salon **Founder & Owner** 2016 – 2025

An independent Atlanta salon I founded and ran for nearly a decade.

- Independent Atlanta salon for nearly a decade: operations, pricing, brand, and a celebrity clientele grown by word of mouth.

SELECTED WORK & CLIENTS — FILM & BRAND

Coca-Cola (spec AI brand campaign) · OLLY (“Period Hero,” spec) · Fashion Nova (UGC) · Texas Pete (“Where Flavor Runs Wild”) · Starbucks (spec) · Pepsi · Lloyd
(commissioned AI tour visuals) · JusBlaze · “Apocalyptic” (short film) · “Greed” (short film) · Film Bar AI · Lurve Fragrance · Darion D’Anjou Productions

EDUCATION

Savannah State University — Business

Virginia College — Cosmetology